

Core Store MP

PCIe Form Factor

Solid State Drive



The CoreStore MP is a PCIe backplane SSD which can be added to almost any PC. Featuring the new Marvell controller (88NV9143), latest ONFi 2 flash, the CoreStore MP offers huge performance. By plugging directly into the PCIe bus, the CoreStore MP completely bypasses the SATA bottle neck. The ONFi 2 flash, utilized in this design, is the very latest in technology in NAND flash today. Supporting DDR (double data rate), this ONFi flash enabled us to create a performance architecture using only 4 flash placements. Available in 16GB to 128GB capacities and with MLC and SLC flash.

Note: Gen 2 PCI slot required for top speeds.

Physical Specifications

MLC	
Capacity	16GB – 128GB
Dimension	65 mm x 80 mm
Interface	Mini PCIe
NAND Flash	MLC
Power Supply	3.3V \pm 10%
Operating Temp.	0°C - 70°C

SLC	
Capacity	16GB – 64GB
Dimension	65 mm x 80 mm
Interface	Mini PCIe
NAND Flash	SLC
Power Supply	3.3V _{cc} \pm 5%
Operating Temp.	0°C - 70°C

Performance Specifications

Flash	Capacity	User Capacity	Sequential Read(MB/Sec)	Sequential Write(MB/Sec)
MLC	16GB	12.5GB	250	40
	32GB	25GB	350	50
	64GB	50GB	350	80
	128GB	100GB	350	80
SLC	16GB	12.5GB	350	220
	32GB	25GB	350	220
	64GB	50GB	350	220

Ordering Information

MLC	
16GB	SR16C6MP1
32GB	SR32C7MP1
64GB	SR64C8MP1
128GB	SR28C9MP1

SLC	
16GB	SR16D6MP1
32GB	SR32D7MP1
64GB	SR64D8MP1